

Work Order ID 56383

February 22, 2010 10:31:22 AM



Page 1

Item ID: D3619-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Grommet

Start Date: 2/22/10 Start Qty: 10.00



Cust Item ID:

Required Date: 2/26/10 Req'd Qty: 10.00



Customer:

Reference:

Run Start



Approvals: Process Plan: *ll*

Date: *10-2-22* Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D3619	Rev A

100 0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: *11396* ☐ Purchase Part Number: 9610K17 ☐ Supplier: MC
MASTER CARR ☐ Certificate of conformity is required

ll 10-2-22
(10)

110 0.00



Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure material certification is attached

Rec'd 2/23 *(10)*

120 0.00



QC6- Inspect dimensions to drawing

QC

Memo

0.00

Quality Control

8/10/26

(x10)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 56383

February 22, 2010 10:31:22 AM



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Item ID: D3619-1

Accept



Setup Start



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Item Name: Grommet

Start Date: 2/22/10

Start Qty: 10.00



Cust Item ID:

Required Date: 2/26/10

Req'd Qty: 10.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00



Packaging

0.00

Packaging

Memo

****Remove supplier paperwork from box.***** ☐ Identify andStock ☐ Location: 79

Packaging

10/3/03 (10)

140

0.00



QC21- Final Inspection - Work Order Release

0.00

QC

Memo

Quality Control

*10/3/03**02/03/10*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February 22, 2010 10:31:26 AM

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Work Order ID: 56383



Parent Item: D3619-1



Parent Item Name: Grommet



Start Date: 2/22/10

Required Date: 2/26/10

Comments: IPP Rev:A New Issue 07-04-09 JLM

Start Qty: 10.00

Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
9610K17  GROMMET		Purchased	No			110	Each	0.0000	10.0000 		<i>[Signature]</i> 2/24/10	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

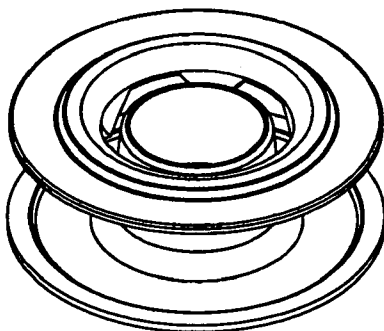
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART

DESIGN <i>LE</i>	DRAWN BY <i>LE</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3619	REV. A SHEET 1 OF 1
DATE 07.03.26		TITLE GROMMET SCALE NTS	
REV A	DATE 07.03.26	DESCRIPTION NEW ISSUE	

SPECIFICATION CONTROL DRAWING

52383**RELEASED**
07 04 02 *[Signature]*

D3619-X GROMMET,
WHERE X REPRESENTS THE GROMMET TRADE SIZE

DART P/N	TRADE SIZE	DESCRIPTION	HOLE SIZE	MAX. MTL THICKNESS	MCMASTER CARR P/N
D3619-0	0	BRASS GROMMET W/ TEETH	1/4	0.110	9610K16
D3619-1	1	BRASS GROMMET W/ TEETH	9/32	0.120	9610K17 ✓
D3619-2	2	BRASS GROMMET W/ TEETH	3/8	0.150	9610K18
D3619-3	3	BRASS GROMMET W/ TEETH	7/16	0.230	9610K19
D3619-4	4	BRASS GROMMET W/ TEETH	1/2	0.300	9610K21

NOTES:

1) PURCHASE INFO: MCMASTER-CARR P/N'S INCLUDE THE FOLLOWING:

48 GROMMETS FOR SIZE 0 & 1,
24 GROMMETS FOR SIZE 2, 3 & 4,
D3619-XT1 HOLE PUNCH,
D3619-XT2 STRIKER BLOCK,
D3619-XT3 PUNCH AND
D3619-XT4 DIE

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO11396

Purchase Order Date 2/22/10
PO Print Date 2/22/10

Page Number 1 of 1

Order From :

VU-MCM001

MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

FAKED
Feb 22

Contact Name
Vendor Phone 330 995 5500
Vendor Fax 330 995 9600
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency USD
FOB

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Revised

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	63215K52	Bearing Spherical	2/25/10 Yes	20.00 Each	Purolator ground	\$16.6700	\$333.40
		Special Inst:	AS PER DWG:D3965 REV:A B#56384				
2	9610K17	GROMMET	2/25/10 Yes	10.00 Each	Purolator ground	\$11.9000	\$119.00
		Special Inst:	AS PER DWG: d3619 REV:A BATCH# 56383				
3	9776K94	Flame retardent nylon Hook & Loop	2/22/10 Yes~	75.00 Each	Purolator ground	\$2.2390	\$167.90
		Special Inst:	As per DWG: D3800 Rev: B Batch# 56377 Batch# 56393				
PO Total:							\$620.30

Change Nbr: 5

Change Date: 2/22/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



McMASTER-CARR

200 Aurora Industrial Parkway
Aurora OH 44202
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO11396

McMaster-Carr Number
7164148-02

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02/22/

Line	Description	Ordered	Shipped	
1	63215K52 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 1/4" ID, 21/32" OD, 11/32" Overall Width	20 Each	15	3 - 483 - 02 07 - 01 K52 15 EA
	Unit Price:	\$16.67		
	Extended Price:	\$250.05		
2	9610K17 Military Specification Grommet Kit, with Teeth Washer, Trade Size 1, 5/16" ID, 48 Grommets	10 Each	10	1 - 313
	Unit Price:	\$12.90		
	Extended Price:	\$129.00		

8/10/26

P. 1/2/23

Shipped separately from our Chicago warehouse on 02/22

1	63215K52 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 1/4" ID, 21/32" OD, 11/32" Overall Width	20 Each	5
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Charges for this shipment

Merchandise Amount:	\$379.05
Sales Tax:	\$18.95
Total:	\$398.00

Dart Aerospace Ltd

E

11

12X7X5

132

